Aixtron grows Taiwanese business

Aixtron continues to grow its business in Taiwan, with orders from Epistar and Uni Light Technology.

Epistar has placed an order for two AIX 2600G3 HT Multiwafer Mass Production Reactors for MOVPE.

Epistar manufactures Ultra-High-Brightness LEDs, for use in cellular phones, automotive lighting, full colour screens, traffic signals and indicators for electronic equipment.

Dr. Ming-Jiunn Jou, Executive VP of Epistar said: "The quick qualification and excellent performance of our existing Aixtron 24x2" reactors in production prove that it was a right decision to choose Aixtron GaN mass production technology. With these additional two tools we will be able to ramp-up our production capacity quickly and in a most cost-efficient way. We welcome this fruitful partnership between Epistar and Aixtron."

The AIX 2600G3 HT reactor, with its capacity for 24x2" wafers, allows for laminar gas flow without turbulence for precise material composition control and ultra-sharp interfaces. Ultra-high uniformity along with high growth efficiency on multiple 2" or 3" wafers is achieved through wafer rotation with Aixtron's patented Gas Foil Rotation.

Uni Light Technology, offering InGaN epitaxial foundry services, has ordered Aixtron's MOCVD system in a 24x2" wafer configuration.

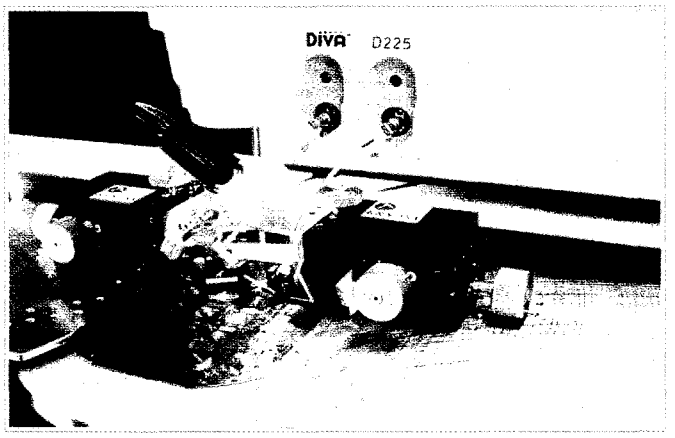
Mr. Hun-Huang Liu, President of Uni Light Technology said: "We have been actively evaluating today's high capacity GaN MOCVD systems and have decided to choose Aixtron's 24x2" reactor to start our aggressive expansion plan for the year 2003. Aixtron is offering, with the AIX 2600G3 HT, concrete performance advantages such as high throughput at highest precursor utilization and extremely high device performance. In today's market, it is mandatory for epitaxial foundries to provide highly uniform epitaxial products in a consistent quality to meet the stringent quality requirements of customers. With Aixtron's well proven large scale GaN Planetary Reactor, we will continue to play a leading role in the market with competitive production costs and highest quality epitaxial products."

Accent's DiVA on stage

Accent Optical Technologies has launched an addition to its DiVA product line. The new D210E has been designed specifically for university research, and is ideal for studying semiconductor devices, device modelling and RF EDA-centric application design.

Graham Riley, Product Marketing Director, DiVA commented: "Students today need to fully understand the characteristic of the devices they work with, and fast pulse IV is a well understood method for providing key insights. Where they exist, current pulsed IV solutions tend to be large and relatively slow, and often reserved exclusively for graduate level programs and research. DiVA speaks directly to these needs."

The university community challenged Accent to provide a product with sufficient capability at an acceptable price. These aims led to the development of the D210E. The model is able to handle a broad spectrum of moderate size FET and Bipolar devices, and uses pulse lengths short enough to clearly show the effects of thermal and trap based dispersion.



DiVa D210E handles a broad spectrum of moderate sized FET and Bipolar devices

For specifications on the D210E visit http://www.accentopto.com/diva

EMF gains research business

Essential Research Inc. has purchased EMF's MR102 MOCVD tool. The multiwafer tool will be used in the manufacture of custom epiwafers for high power AlGaAs lasers and InGaAs photodectors. Essential Research also offers in-house microfabrication and post epi services, these include cleaving, metalisation and individual die tests.

As well as the MR102, EMF supplied Essential Research with the system's MO requirements, including the EMF DEOX grade, TMA, TMG and TMI.
EMF's Jim Dixon said: "EMF is unusual in the industry in its ability to supply both equipment and MO's. This is a major advantage to EMF and provides us with constant feedback from our customers."

August Technology's AXi Series

An automated wafer inspection system for use in front-end wafer fabs, the new AXi Series from August Technology provides affordable advanced macro defect detection, review and classification. The system can detect defects at over 0.5micron.

"The AXi's combination of high resolution, throughput and affordability extends our proven inspection technologies throughout the fab to include After Develop Inspection (ADI) and final quality control," said Dan Nelson, strategic marketing and corporate development for August Technology.

The AXi fits into factory automation networks and can inspect up to 120 - 200mm wafers per hour.